

ATTACHMENT J9

Sagamore Hill Air Weather Services Facility Electric Distribution System

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J9 Sagamore Hill Air Weather Services Facility Electric Distribution System

J9.1 Sagamore Hill Air Weather Services Facility Overview

The Sagamore Hill Air Weather Services Facility is located near the Town of Hamilton, 30 miles northeast of Hanscom AFB. This facility processes satellite weather data. It consists of two main buildings and currently has a staff of nine.

J9.2 Electric Distribution System Description

J9.2.1 Electric Distribution System Fixed Equipment Inventory

The Sagamore Hill Air Weather Services Facility electric distribution system consists of all appurtenances physically connected to the distribution system from the point in which the distribution system enters the Installation and Government ownership currently starts to the point of demarcation, defined by the Right of Way. The system may include, but is not limited to, transformers, circuits, protective devices, utility poles, ductbanks, switches, street lighting fixtures, and other ancillary fixed equipment. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the distribution system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

Specifically excluded from the electric distribution system privatization are:

- None

J9.2.1.1 Description

Massachusetts Electric supplies power to the Sagamore Hill Air Weather Services Facility through a tap from the 4.16-kilovolt (kV) distribution feeder on Sagamore Street. Located at the feeder tap are the metering facilities and riser pole transition down to the government-owned underground circuit that feeds up the hill and into the station. Government ownership of the electric facilities starts at the line side of the air break switch located at the metering facilities along Sagamore Street.

J9.2.1.2 Inventory

Table 1 provides a general listing of the major electric distribution system fixed assets for the Sagamore Hill Air Weather Services Facility electric distribution system included in the sale.

TABLE 1
Fixed Inventory
Electric Distribution System Sagamore Hill Air Weather Services Facility

Component	Size	Quantity	Unit	Approximate Year of Construction
Underground Circuits		AWG		
Conductor, 5 kV copper	#1	6,999	SCLF	1981
Conductor, 600 V copper	#1	2,333	SCLF	1981
Ductbank (1 X 2)	4-in.	2,333	LF	1955
Electric manhole		9	EA	1955
Transformers		Nom kVA		
3-phase, oil-filled	75	1	EA	1998
Other Electrical				
Pad, Concrete, 25 sf at 1 ea		25	SF	1998
Cable terminators		6	EA	1981
Fuse cutouts, 1 per phase		3	EA	2000
Lightning arrestors, 1 per transformer		3	EA	1998
Transformers, grounding		1	EA	1998

EA = each

in. = inches

LF = linear feet

SCLF = single conductor linear feet

J9.2.2 Electric Distribution System Non-Fixed Equipment and Specialized Tools

Table 2 lists other ancillary equipment (spare parts) and **Table 3** lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

TABLE 2
Spare Parts
Electric Distribution System Sagamore Hill Air Weather Services Facility

Qty	Item	Description	Make/Model	Remarks
No spare parts are included with the system to be privatized.				

TABLE 3
Specialized Vehicles and Tools
Electric Distribution System Sagamore Hill Air Weather Services Facility

Qty	Description	Location	Maker
No specialized vehicles or tools are included with the system to be privatized.			

J9.2.3 Electric Distribution System Manuals, Drawings, and Records

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

TABLE 4
Manuals, Drawings, and Records
Electric Distribution System Sagamore Hill Air Weather Services Facility

Qty	Item	Description	Remarks
1	Drawings	Drawing No. 11-04-09—Misc Paving & Electric (2 sheets)	

J9.3 Specific Service Requirements

The service requirements for the Sagamore Hill Air Weather Services Facility electric distribution system are as defined in the Section C, *Description/Specifications/Work Statement*. The following requirements are specific to the Sagamore Hill Air Weather Services Facility electric distribution system and are in addition to those found in Section C. If there is a conflict between requirements described below and Section C, the requirements listed below take precedence over those found in Section C.

- For all privatized lighting fixtures, operations and maintenance of lighting fixtures includes the purchase and replacement of lighting elements and the removal and disposal of replaced lighting elements.
- All electric meters installed by the Contractor shall include demand registers unless otherwise agreed to by both parties.

- The Contractor shall provide monthly meter reading reports IAW paragraph J1.6. The Contractor shall keep a meter book(s) and record monthly consumption and demand (if applicable) for each meter being read. The Contractor shall coordinate with the Government to determine the format of the meter books to be submitted.
- When new meters are installed, to include meters installed for temporary service connections, the Contractor shall include with the meter reading report a separate report identifying the new meters installed during the prior month. The Contractor shall coordinate with the Government to determine the format of the report to be submitted.
- IAW paragraph C.3.4 and J1.7, the Contractor shall coordinate with Hanscom AFB Energy Manager so that the Contractor's service and systems support the Base's energy management program goals.
- The Contractor shall enter into a Memorandum of Understanding with the Hanscom AFB Fire Department for fire protection of all facilities included in the purchase of the utility. The MOU shall be completed during the transition period and a copy provided to the Contracting officer.
- The Contractor shall abide by Hanscom AFB fire protection and detection requirements. The utility system purchased by the Contractor may include facilities. These facilities may or may not include fire protection and detection systems. Where required by federal, state or local regulations, the Contractor shall maintain the fire protection and detection system for all facilities owned and operated by the Contractor. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- The Contractor shall support the Hanscom AFB digging permit process by routinely accepting and promptly processing digging permit requests which may impact on the integrity of the Contractor's utility system and/or the safety of the requestors. The Contractor shall conform to the Hanscom AFB digging permit process or submit to the Contracting Officer for approval a methodology for accepting, processing, approving, and listing reason(s) for disapproving digging permits.
- Reports, Drawings and Maps shall be submitted in a format compatible with Hanscom AFB.

J9.4 Current Service Arrangement

Massachusetts Electric supplies power to the Sagamore Hill Air Weather Services Facility. Annual electric power consumption at the Sagamore Hill facility is approximately 117,400 kWh. The peak demand is approximately 48 kW occurring in the winter months.

J9.5 Secondary Metering

J9.5.1 Existing Secondary Meters

Table 5 provides a listing of the existing (at the time of contract award) secondary meters that will be transferred to the Contractor. The Contractor shall provide meter readings for all secondary meters IAW Paragraph C.3 and J9.6 below.

TABLE 5
Existing Secondary Meters
Electric Distribution System Sagamore Hill Air Weather Services Facility

Meter Location	Meter Description
There are no new secondary meters with the system to be privatized.	

J9.5.2 Required New Secondary Meters

The Contractor shall install and calibrate new secondary meters as listed in **Table 6**. New secondary meters shall be installed IAW Paragraph C.13, Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3 and J9.6 below.

TABLE 6
New Secondary Meters
Electric Distribution System Sagamore Hill Air Weather Services Facility

Meter Location	Meter Description
There are no required secondary meters with the system to be privatized.	

J9.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. Invoice (IAW G.2). The Contractor's monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to:

Name: 66MSG/CEG
Address: 120 Grenier Street
Hanscom AFB, MA 01731-1910

2. Outage Report. The Contractor's monthly outage report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to:

Name: 66MSG/CEG
Address: 120 Grenier Street
Hanscom AFB, MA 01731-1910

3. Meter Reading Report. The monthly meter reading report shall show the current and previous month readings for all secondary meters. The Contractor's monthly meter reading report will be prepared in the format proposed by the Contractor and accepted

by the Contracting Officer. Meter reading reports shall be submitted by the 15th of each month for the previous month. Meter reading reports shall be submitted to:

Name: 66MSG/CEG

Address: 120 Grenier Street
Hanscom AFB, MA 01731-1910

4. System Efficiency Report. If required by Paragraph C.3, the Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. System efficiency reports shall be submitted by the 25th of each month for the previous month. System efficiency reports shall be submitted to:

Name: 66MSG/CEG

Address: 120 Grenier Street
Hanscom AFB, MA 01731-1910

J9.7 Energy Saving Projects

IAW Paragraph C.3, Requirement, the following projects have been implemented on the distribution system by the Government for energy conservation purposes.

- There are no energy saving projects with the system to be privatized.

J9.8 Service Area

IAW Paragraph C.4, Service Area, the service area is defined as all areas within the Sagamore Hill Air Weather Services Facility boundaries.

J9.9 Off-Installation Sites

No off-installation sites are included in the sale of the Sagamore Hill Air Weather Services Facility electric distribution system.

J9.10 Specific Transition Requirements

IAW Paragraph C.13, Transition Plan, **Table 7** provides a listing of service connections and disconnections required upon transfer.

TABLE 7

Service Connections and Disconnections

Electric Distribution System Sagamore Hill Air Weather Services Facility

Location	Description
There are no specific transition requirements with the system to be privatized.	

J9.11 Government Recognized System Deficiencies

Table 8 provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Sagamore Hill Air Weather Services Facility electric distribution system. If the system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewal and Replacement Plan process and will be recovered through [Schedule L-3](#). Renewal and Replacement projects will be recovered through [Sub-CLIN AB](#).

TABLE 8

System Deficiencies

Electric Distribution System Sagamore Hill Air Weather Services Facility

Project Location	Project Description
There are no government recognized deficiencies with the system to be privatized.	